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Dee Denteneer, Frank den Hollander, Evgeny Verbitskiy, Editors

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Contents

Preface	
<i>Dee Denteneer, Frank den Hollander, Evgeny Verbitskiy</i>	vii
PERCOLATION AND INTERACTING PARTICLE SYSTEMS	
Polymer pinning in a random medium as influence percolation	
<i>V. Beffara, V. Sidoravicius, H. Spohn and M. E. Vares</i>	1
Proof of a conjecture of N. Konno for the 1D contact process	
<i>J. van den Berg, O. Häggström and J. Kahn</i>	16
Uniqueness and multiplicity of infinite clusters	
<i>Geoffrey Grimmett</i>	24
A note on percolation in cocycle measures	
<i>Ronald Meester</i>	37
RANDOM WALKS	
On random walks in random scenery	
<i>F. M. Dekking and P. Liardet</i>	47
Random walk in random scenery: A survey of some recent results	
<i>Frank den Hollander and Jeffrey E. Steif</i>	53
Linearly edge-reinforced random walks	
<i>Franz Merkl and Silke W. W. Rolles</i>	66
Recurrence of cocycles and stationary random walks	
<i>Klaus Schmidt</i>	78
RANDOM PROCESSES	
Heavy tail properties of stationary solutions of multidimensional stochastic recursions	
<i>Yves Guivarc’h</i>	85
Attractiveness of the Haar measure for linear cellular automata on Markov subgroups	
<i>Alejandro Maass, Servet Martínez, Marcus Pivato and Reem Yassawi</i>	100
Weak stability and generalized weak convolution for random vectors and stochastic processes	
<i>Jolanta K. Misiewicz</i>	109
Coverage of space in Boolean models	
<i>Rahul Roy</i>	119
RANDOM FIELDS	
Strong invariance principle for dependent random fields	
<i>Alexander Bulinski and Alexey Shashkin</i>	128
Incoherent boundary conditions and metastates	
<i>Aernout C. D. van Enter, Karel Netočný and Hendrikjan G. Schaap</i>	144
Markovianity in space and time	
<i>M. N. M. van Lieshout</i>	154

Mixing and tight polyhedra <i>Thomas Ward</i>	169
NUMBER THEORY AND SEQUENCES	
Entropy quotients and correct digits in number-theoretic expansions <i>Wieb Bosma, Karma Dajani and Cor Kraaikamp</i>	176
Mixing property and pseudo random sequences <i>Makoto Mori</i>	189
Numeration systems as dynamical systems – introduction <i>Teturo Kamae</i>	198
Hyperelliptic curves, continued fractions, and Somos sequences <i>Alfred J. van der Poorten</i>	212
Old and new results on normality <i>Martine Queffélec</i>	225
Differentiable equivalence of fractional linear maps <i>Fritz Schweiger</i>	237
ERGODIC THEORY	
Easy and nearly simultaneous proofs of the Ergodic Theorem and Maximal Ergodic Theorem <i>Michael Keane and Karl Petersen</i>	248
Purification of quantum trajectories <i>Hans Maassen and Burkhard Kümmerer</i>	252
Finitary Codes, a short survey <i>Jacek Serafin</i>	262
DYNAMICAL SYSTEMS	
Entropy of a bit-shift channel <i>Stan Baggen, Vladimir Balakirsky, Dee Denteneer, Sebastian Egner, Henk Hollmann, Ludo Tolhuizen and Evgeny Verbitskiy</i>	274
Nearly-integrable perturbations of the Lagrange top: applications of KAM-theory <i>H. W. Broer, H. Hanßmann, J. Hoo and V. Naudot</i>	286
Every compact metric space that supports a positively expansive homeomorphism is finite <i>Ethan M. Coven and Michael Keane</i>	304
On g-functions for subshifts <i>Wolfgang Krieger</i>	306

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Preface

The present volume is a *Festschrift* for Mike Keane, on the occasion of his 65th birthday on January 2, 2005. It contains 29 contributions by Mike's closest colleagues and friends, covering a broad range of topics in *Dynamics and Stochastics*.

To celebrate Mike's scientific achievements, a conference entitled "Dynamical Systems, Probability Theory and Statistical Mechanics" was organized in Eindhoven, The Netherlands, during the week of January 3–7, 2005. This conference was hosted jointly by EURANDOM and by Philips Research. It drew over 80 participants from 5 continents, which is a sign of the warm affection and high esteem for Mike felt by the international mathematics community.

Mike is one of the founders of EURANDOM, and has seen this institute come to flourish since it opened its doors in 1998, bringing much extra buzz and liveliness to Dutch stochastics. Mike has also been a scientific consultant to Philips Research for some 20 years, and since 1998 spends one month per year with Philips Research Eindhoven in that capacity. It is therefore particularly nice that the conference could take place under the umbrella of these two institutions so close to Mike's heart.

Most people retire at 65. Not Mike, who continues to be enormously energetic and full of plans. After a highly active career, taking him to professorships in a number of countries (Germany 1962–1968, USA 1968–1970, France 1970–1980, The Netherlands 1981–2002), Mike is now with Wesleyan University in Middletown, Connecticut, USA, from where he continues his relentless search for fundamental questions, elegant solutions and powerful applications. All this takes place in an atmosphere of warm hospitality through the help of Mike's spouse Mieke, who has welcomed more guests at her home than the American ambassador.

A special event took place in the late afternoon of January 5, 2005, in the main auditorium on the Philips High Tech Campus. On behalf of Her Majesty the Queen, Mr. A. B. Sakkers, the mayor of Eindhoven, presented Mike with the decoration in the highest civilian order: "Knight in the Order of the Dutch Lion." This decoration was bestowed upon Mike for his outstanding scientific contributions, his stimulating international role, as well as his service to industry.

A number of organizations generously supported the conference:

- NWO (Netherlands Organisation for Scientific Research).
- KNAW (Royal Netherlands Academy of Arts and Sciences).
- MRI (Mathematical Research Institute) and TSI (Thomas Stieltjes Institute), the two main collaborative research schools for mathematics in The Netherlands.
- University of Amsterdam: Korteweg de Vries Institute.
- Eindhoven University of Technology: Department of Mathematics and Computer Science.
- Wesleyan University: Department of Mathematics.
- ESF (European Science Foundation), through its scientific program “Random Dynamics of Spatially Extended Systems.”

We are grateful to these organizations for their contribution. We are also grateful to the program committee (Rob van den Berg, Michel Dekking, Hans van Duijn, Chris Klaassen, Hans Maassen and Ronald Meester) for their help with putting together the conference program.

We wish Mike and Mieke many healthy and active years to come, and trust that the reader will find in this Festschrift much that is to her/his interest and liking.

Eindhoven, December 2005

Dee Denteneer
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